

Home

Browse by Inventor

Browse by Date

Resources

Contact Us

Type your search term here





United States Patent 5768532

Method and distributed database file system for implementing self-describing distributed file objects

US Patent Issued on June 16, 1998

October 30, 1888 Patent for a ballpoint pen was received by John Loud.

Inventor(s)

ABSTRACT

CLAIMS

DESCRIPTION

Ads by Gooooogle

Advertise on this site

Assignee

Us Patent

International Business Machines Corporation

Online Database of Patents Us Patent www.ToSeekA.com

Application

Free Patent Information

No. 664706 filed on 1996-06-17

Request a Free Information Package on how we can help with your Patent

www.InventionHome.com

Current US Class

TM Lawyer for Small Biz

709/245, 370/409, 707/104.1, 709/201

Flat fee applications and search Free consult; Former **USPTO** examiner

www.tm4smallbiz.com

Need a Low Cost Patent?

Field of Search

Patent expertise at low rates. Patent Applications &

Searches

www.Intellipex.com

370/409, 707/10, 707/103, 711/216

Abstract

Primary: Mehmet B Geckil

Attorney, Agent or Firm

Examiners

Pennington; Joan

US Patent References

5301337

5371675

5381534

5551027

5687363

5701462

A method and apparatus are provided for implementing self-describing file objects. A node group is created for defining multiple computer systems for storing data. A hash algorithm for applying to data records is identified. A partition distribution map for distributing data to each of the multiple computer systems utilizing a set of predetermined hash algorithm results and remote system information for each of the multiple computer systems are identified. A file object is created in each of the multiple computer systems. Each the file objects includes the hash algorithm, the partition distribution map, and the remote system information. A data record is inserted into one of the distributed file objects by receiving the data record, applying the hash algorithm to the received data record,

Foreign Patent References

522488 EP Jan., 1993 WO96/07149 WO Mar., 1996 comparing the hash algorithm result with the partition distribution map to identify the particular computer system for the data record, utilizing the system information to establish connection to that system. The file objects are fully self-describing, eliminating the need for additional objects to be addressed, opened, paged into memory or the like.

Home | Browse by Inventor | Browse by Date | Resources | Contact Us © 2004-6 PatentStorm LLC. All rights reserved.

May 5, 2005

Hit List

First Hitclear Generate Collection Print Fwd Refs Bkwd Refs Generate OACS

Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 20060034263 A1

L2: Entry 1 of 6 File: PGPB Feb 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060034263

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060034263 A1

TITLE: Model and system state synchronization

PUBLICATION-DATE: February 16, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Outhred; Geoffrey Seattle WA US Han; Eric K. Redmond WA US Grealish; Kevin D.J. Seattle WA US Brown; Mathilde C. Seattle WA US Gustin; Reid B. Redmond WA US Mensching; Rob Redmond WA US Nielsen; Steven T. Redmond WA US

US-CL-CURRENT: <u>370/352</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw, Desc	Image
		· · · · · · · · · · · · · · · · · · ·			-	***************************************						1 - 1-1-1	111128

2. Document ID: US 20050097503 A1

L2: Entry 2 of 6 File: PGPB

PGPUB-DOCUMENT-NUMBER: 20050097503

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050097503 A1

TITLE: XML-based template language for devices and services

PUBLICATION-DATE: May 5, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Zintel, William M. Kenmore WA US Gandhi, Amar S. Redmond WA US Gu, Ye Seattle US WA

Pather, Shyamalan	Redmond	WA	US
Schlimmer, Jeffrey C.	Redmond	WA .	US
Rude, Christopher M.	Redmond	WA	US
Weisman, Daniel R.	Kirkland	. WA	US
Ryan, Donald R.	Redmond	WA	US
Leach, Paul J.	Seattle	WA	US
Cai, Ting	Redmond	WA	US
Knight, Holly N.	Woodinville	WA ·	US
Ford, Peter S.	Carnation	WA	US

US-CL-CURRENT: 717/100

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Desc	Image
									•				
			····	 									
□ 3.	Do	ocumer	nt ID:	US 20	05007401	8 A 1							•

L2: Entry 3 of 6

File: PGPB

Apr 7, 2005

PGPUB-DOCUMENT-NUMBER: 20050074018

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050074018 A1

TITLE: XML-based template language for devices and services

PUBLICATION-DATE: April 7, 2005

INVENTOR-INFORMATION:

	NAME	CITY	STATE	COUNTRY
	Zintel, William M.	Kenmore	WA	US
	Gandhi, Amar S.	Redmond	WA	US
	Gu, Ye	Seattle	WA	US
	Pather, Shyamalan	Redmond	WA	US -
	Schlimmer, Jeffrey C.	Redmond	WA	US
	Rude, Christopher M.	Redmond	WA	US
	Weisman, Daniel R.	Kirkland	WA	US
•	Ryan, Donald R.	Redmond	WA	US
	Leach, Paul J.	Seattle	WA	US
	Cai, Ting	Redmond	WA	US
	Knight, Holly N.	Woodinville	WA	US
	Ford, Peter S.	Carnation	WA	US

US-CL-CURRENT: 370/401

L2: Entry 4 of 6

File: PGPB

Oct 7, 2004

PGPUB-DOCUMENT-NUMBER: 20040199572

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040199572 A1

TITLE: Architecture for distributed computing system and automated design, deployment, and management of distributed applications

PUBLICATION-DATE: October 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hunt, Galen C.	Bellevue	WA	US
Tabbara, Bassam	Seattle	WA	US
Grealish, Kevin	Seattle	WA	US
Outhred, Geoffrey	Seattle	WA	US
Mensching, Rob	Redmond	WA	US

US-CL-CURRENT: 709/201

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KANAC:	Draw Daco	Impas
					9.055.0000.00.0	2 313	1101010100	200 0011000	r-stractiments	91911115	KOOLO	Diam Desc	meğle
												-	

5. Document ID: US 20020029256 A1

L2: Entry 5 of 6

File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020029256

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020029256 A1

TITLE: XML-based template language for devices and services

PUBLICATION-DATE: March 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Zintel, William M.	Kenmore	WA	US
Gandhi, Amar S.	Redmond	WA	US
Gu, Ye	Seattle	WA	US
Pather, Shyamalan	Redmond	WA	US
Schlimmer, Jeffrey C.	Redmond	WA	US
Rude, Christopher M.	Redmond	WA	US
Weisman, Daniel R.	Kirkland	WA	US
Ryan, Donald R.	Redmond	WA	us
Leach, Paul J.	Seattle	WA .	us
Cai, Ting	Redmond	WA	US
Knight, Holly N.	Woodinville	WA	US
Ford, Peter S.	Carnation	WA	US

US-CL-CURRENT: <u>709/218</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawl Desc	Image
		•											

☐ 6. Document ID: US 6910068 B2

L2: Entry 6 of 6

File: USPT

Jun 21, 2005

US-PAT-NO: 6910068

DOCUMENT-IDENTIFIER: US 6910068 B2

TITLE: XML-based template language for devices and services

DATE-ISSUED: June 21, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE COUNTRY
Zintel; William M.	Kenmore	WA	
Gandhi; Amar S.	Redmond	WA	
Gu; Ye	Seattle	WA	
Pather; Shyamalan	Redmond	WA	
Schlimmer; Jeffrey C.	Redmond	WA	
Rude; Christopher M.	Redmond	WA	
Weisman; Daniel R.	Kirkland	WA	
Ryan; Donald R.	Redmond	WA	
Leach; Paul J.	Seattle	WA	
Cai; Ting	Redmond	WA	
Knight; Holly N.	Woodinville	WA	
Ford; Peter S.	Carnation	WA	

ASSIGNEE-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY TYPE CODE

Microsoft Corporation Redmond WA 02

APPL-NO: 09/811362 [PALM]
DATE FILED: March 16, 2001

PARENT-CASE:

RELATED APPLICATION DATA This is a continuation-in-part of U.S. patent application Ser. No. 09/496,318, entitled "Dynamic Self-Configuration For Ad Hoc Peer Networking", filed Feb. 1, 2000, which is based on provisional application No. 60/139,137 filed Jun. 11, 1999, and provisional application No. 60/160,235 filed Oct. 18, 1999. This also claims priority to provisional application No. 60/190,943, filed Mar. 21, 2000, which is hereby incorporated by reference.

INT-CL-ISSUED: [07] G06F 15/177

INT-CL-CURRENT:

TYPE IPC DATE
CIPN <u>H04</u> <u>L 29/08</u> 20060101
CIPS <u>H04</u> <u>L 29/06</u> 20060101

CIPS	H04 L 12/56	20060101
CIPS	<u>H04 L 12/46</u>	20060101
CIPS	H04 L 29/12	20060101
CIPS	H04 L 12/28	20060101

US-CL-ISSUED: 709/220; 709/218, 709/225, 709/229, 709/249 US-CL-CURRENT: 709/220; 709/218, 709/225, 709/229, 709/249

FIELD-OF-CLASSIFICATION-SEARCH: 709/218, 709/220, 709/225, 709/229, 709/249 See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
5394556	February 1995	Oprescu	395/800
5491800	February 1996	Goldsmith et al.	395/200.12
<u>5559967</u>	September 1996	Oprescu et al.	395/285
5627964	May 1997	Reynolds et al.	395/183.22
<u>5745126</u>	April 1998	Jain et al.	382/154
5748980	May 1998	Lipe et al.	395/828
<u>5764930</u>	June 1998	Staats	395/287
<u>5787246</u>	July 1998	Lichtman et al.	395/200.5
<u>5787259</u>	July 1998	Haroun et al.	395/200.83
<u>5793979</u>	August 1998	Lichtman et al.	395/200.56
5809331	September 1998	Staats et al.	395/830
<u>5881230</u>	March 1999	Christensen et al.	395/200.33
<u>5903728</u>	May 1999	Semenzato	395/200.47
5903894	May 1999	Reneris	707/100
5938752	August 1999	Leung et al.	710/126
<u>6083276</u>	July 2000	Davidson et al.	
6101499	August 2000	Ford et al.	707/10
6167448	December 2000	Hemphill et al.	
6466971	October 2002	Humpleman et al.	
6477566	November 2002	Davis et al.	709/223
6507856	January 2003	Chen et al.	715/513
6546419	April 2003	Humpleman et al.	
6553402	April 2003	Makarios et al.	709/201
<u>6560633</u>	May 2003	Roberts et al.	709/202

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO PUBN-DATE COUNTRY CLASS WO 99/35856 July 1999 WO

OTHER PUBLICATIONS

A. Kung, B. Raither, S. McConnell, Electronic Commerce Services Expand Home Automation Capabilities, TRIALOG, EMMSEC '99 Conference, Jun. 1999, pp. 1-7. Web Interface Definition Language (WIDL), NOTE-widl-970922, WebMethods, Inc. 1997, pp. 1-15. "Home Plug & Play.TM.: CAL-based Interoperability for Home Systems," HomePNP.TM.Specification. Version 1.0, pp. 1-111, (Apr. 9, 1998). White Paper, "HAVi, the A/V digital network revolution," HAVi Organization, pp. 1-7 (1999). "Specification of the Home Audio/Video Interoperability (HAVi) Architecture," The HAVi Specification. Version 1.0 (Jan. 18, 2000). Anderson, "FireWire System Architecture: Second Edition, IEEE 1394a," chapters 1-4 (1999). Technical White Paper, "Jini Architectural Overview," Sun Microsystems, Inc. (1999). "Salutation Consortium Frequently Asked Questions," The Salutation Consortium, pp. 1-6 (prior to filing date). "Salutation Architecture Specification (Part-I), Version 2.0c," The Salutation Consortium, (Jun. 1, 1999). "How it works," Thalia, pp. 1-3 (prior to filing date). "Sun Microsystems and Thalia Productions Inc. to Collaborate to Co-Develop Network Software and Protocols for the Home, Results to Make Networked Appliances for the Home a Reality," Sunbeam Corporation, pp. 1-2 (2000). "Sunbeam Joins Microsoft in the Universal Plug and Play Forum to Establish A `Universal` Smart Appliance Technology Standard, "Sunbeam Corporation, pp. 1-2 (2000). "Time for Smart Talk is Over, Sunbeam Trumps Small Appliance Industry With Smart Appliance Debut, " Sunbeam Corporation, pp. 1-4 (2000). "Lonworks Core Technology," Echelon Corporation, pp. 1-2 (2000). "Underlying Protocol of Echelon's Lonworks.RTM. Network Adopted as New ANSI Standard, Free Reference Implementation Available to Developers, " Echelon Corporation, pp. 1-2 (2000). Handley et al., "SIP: Session Initiation Protocol," The Internet Society, pp. 1-130 (Aug. 6. Rosenberg et al., "SIP Extensions for Instant Messaging," Internet Engineering Task Force, pp. 1-30 (Jun. 15, 2000). Rosenberg et al., "SIP Extensions for Presence," Internet Engineering Task Force, pp. 1-77 (Jun. 15, 2000). Tsang et al., "Requirements for Networked Appliances: Wide-Area Access, Control, and Interworking, " Internet Engineering Task Force, pp. 1-9 (Sep. 2000). Tsang et al., "SIP Extensions for Communicating with Networked Appliances," Internet Engineering Task Force, pp. 1-9 (Nov. 2000). Moyer et al., "Framework Draft for Networked Appliances Using the Session Initiation Prtocol," Internet Engineering Task Force, pp. 1-31 (Nov. 2000). Marples, "Naming and Accessing Network Appliances using extensions to the Session Initiation Protocol, " SIP for Toaster, Telcordia Technologies (2000). "Networked Appliances," AR Greenhouse, Telcordia Technologies, pp. 1-2 (Dec. 15, 2000). Moyer et al., "SIP for Light Bulbs, Using SIP to Support Communication with Networked Appliances, Telcordia Technologies (Aug. 2, 2000). Bennett et al., "Integrating Presence with Multi-media Communications," White Paper, Dynamicsoft., pp. 1-18 (2000). Rosenberg et al., "An Application Server Architecture for Communications Services," White Paper, Dynamicsoft., pp. 1-13 (2000). "EIB Technology," EIB (2000). Freeman et al., "JavaSpaces.TM.Principles, Patterns, and Practice," Addison-Wesley Longman, Inc., Reading, Massachusetts (1999, Sun Microsystems, Inc.). Arnold et al., "The Jini.TM.Specification," Addison-Wesley Longman, Inc., Reading, Massachusetts (1999, Sun Microsystems, Inc.). Edwards, "Core Jini.TM., Second Edition," Prentice Hall PTR, Upper Saddle River, New Jersey (2001).ART-UNIT: 2182 PRIMARY-EXAMINER: Gaffin; Jeffrey

ASSISTANT-EXAMINER: Farooq; Mohammad O.

ATTY-AGENT-FIRM: Lee & Hayes, PLLC

ABSTRACT:

A universal plug and play (UPnP) device makes itself known through a set of processesdiscovery, description, control, eventing, and presentation. Following discovery of a UPnP device, an entity can learn more about the device and its capabilities by retrieving the device's description. The description includes vendor-specific manufacturer information like the model name and number, serial number, manufacturer name, URLs to vendor-specific Web sites, etc. The description also includes a list of any embedded devices or services, as well as URLs for control, eventing, and presentation. The description is written by a vendor, and is usually based on a device template produced by a UPnP forum working committee. The template is derived from a template language that is used to define elements to describe the device and any services supported by the device. The template language is written using an XML-based syntax that organizes and structures the elements.

38 Claims, 51 Drawing figures

Clear Generate Collection Print Fwd Refs Bkwd Refs Generate OAC	
Term	Documents
DATA	4135254
DATUM	38125
STRUCTURE	5002189
STRUCTURES	1318386
(1 AND (STRUCTURE NEAR DATA)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	6

Change Format Display Format: -

Previous Page Next Page Go to Doc#